

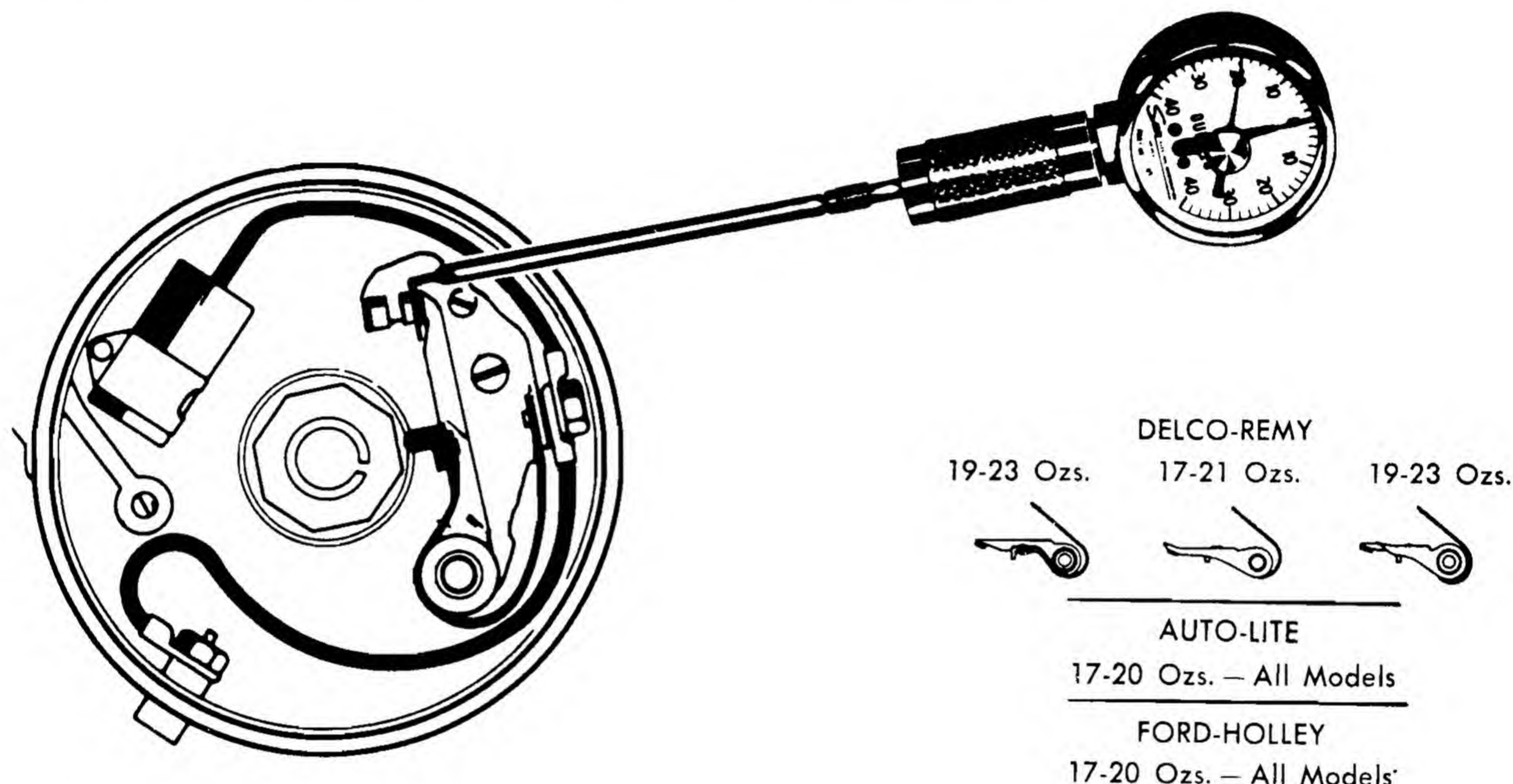
INSTRUCTIONS

SPRING TENSION GAUGE PART NO. 2-1892

BREAKER POINT SPRING TENSION TEST

Proper tension of the breaker point spring is an important factor in obtaining normal breaker assembly life and maintaining full ignition system efficiency throughout the speed range of the engine. Excessive spring tension can cause

rapid rubbing block, cam, and contact wear, while insufficient spring tension may allow the points to bounce at high speeds which generally results in arcing and burning of the points and causes the engine to misfire.



PROCEDURE

1. Using knob on dial face, set the adjustable pointer to the FULL CLOCKWISE position (left side of main pointer at "O").
2. Set the distributor cam so that the breaker points are closed.
3. Place hook end of spring tension gauge on moveable contact arm, as close to the contact point as possible.
4. Position the gauge so that it is at a right angle to the contact surface, and apply a slow even pull.
5. The moment the points begin to open, release the tension and note the gauge reading. The adjustable pointer will remain at the position of maximum tension until it is reset.
6. Hold points open to approximately their recommended gap with the spring tension tester and slowly let them close. If the scale reading decreases noticeable from the previous reading before the points close, it is probable that the pivot requires lubrication as recommended by the manufacturer.

If desired, the Spring Tension Gauge may also be used in a "push" application instead of the conventional "pull".

The Sun Spring Tension Gauge is an extremely versatile tester and may be used for applications other than those described in this instruction sheet, including generator brush and relay contact tension tests.